

Indoor | Outdoor
45246



Home Monitoring Wireless Color Camera and Receiver

User Manual



www.jascoproducts.com
1-800-654-8483

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Thank you for purchasing the GE 45246 Wireless Color Camera System with Receiver. Please review these instructions carefully before attempting to operate the unit.

PRODUCT FEATURES

- Weather resistant metal camera casing, designed for outdoor use
- Black anodized finish prevents rust and unwanted reflections
- Long Range Night Vision — high-powered LED's allow you to see up to 60ft. in the dark
- Vandal resistant bracket hides cable
- Adjustable sun shield to minimize glare
- "Wi-Fi" internet friendly wireless system—won't interfere with home wireless networks.
- Wirelessly transmits audio and video up to 200 ft. (unobstructed line of sight).
- View up to two cameras
- Audio Detection & Notification feature—alerts when sound is detected in a monitored area
- Multi-axis camera mount allows for installation at any angle
- Receiver connects to any TV or monitor with AV inputs

PACKAGE CONTENTS

Please check and identify all the parts before proceeding with the installation.

1. Wireless camera and receiver
2. Mounting hardware for camera (3 screws, 3 plastic anchors)
3. 2 AC adapters
4. AV cable
5. Adjustment wrench

BEFORE YOU INSTALL

When choosing the best location for the placement of the camera and receiver, it is best to avoid any sources of possible RF interference such as microwave ovens and cordless phones. Proximity to these and other sources of RF interference can inhibit the proper functioning of the receiver.

The 900MHz video signals pass easily through your home's interior walls, but the signal may be reflected by power wires or plumbing inside those walls. Usually a slight adjustment to the position of the Receiver and/or Camera antenna will improve reception. Position the antenna upwards or downwards (depending on mounting location) to improve sensitivity. Take care not to force the antenna past its lock positions.

CHOOSING A CAMERA MOUNTING LOCATION

The Wireless Color Camera is suitable for indoor or outdoor use. When choosing a mounting location, please be advised:

- This camera is designed to be reliable for outdoor use; and its flexible design allows it to be used indoors as well.
- If using outdoors, take time to first consider how you will route the cable back to the power adapter. The AC adapter must be used in a dry location. The cable is routed through the mounting bracket so it can run hidden through walls. This provides a vandal-resistant design. There is also a slot located at the base of the mounting plate so the cable can exit the mounting bracket and run on the outdoor surface, if desired.
- The universal multi-axis bracket allows you to mount the camera at almost any angle.
- DO NOT position the camera so that it points directly into the sun or any bright light, as this may cause damage to the camera.

- Avoid positioning the camera so that it is viewing areas where half of the area is in bright sunlight and the other half is dark, such as the shadow of a building. All types of cameras have difficulty “seeing” into areas of such divergent light levels.
- In low light conditions, the camera will automatically activate its high-powered Infrared (IR) LED’s and switch the camera to Long Range Night Vision mode. Long Range Night Vision viewing distance can be up to 60ft, and will be viewed in B/W.
- The included AC adapters must be positioned no farther than 8’ from an AC outlet. Do not use either supplied adapter outside. If you need to extend an AC adapter cable, 12 ft. extensions are available by contacting Technical Support at 800-654-8483.
- The Camera has an unobstructed wireless transmission range up to 200 ft. from the receiver. Transmission distance indoors is reduced due to interior walls, wiring, household fixtures and metal plumbing.

RECEIVER CHANNEL SELECTION

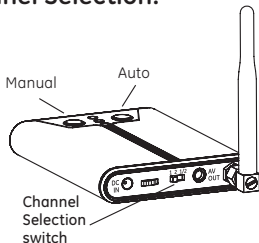
The receiver system can monitor up to 2 wireless cameras. You can operate the receiver in either Manual or Auto mode. To view more than one camera, locate the camera channel selection switch (1 2 1/2) on the rear panel of the receiver.



The receiver must be set to the '1/2' position to allow two cameras to be monitored. The next step will be to set the channel selection switch on both cameras. **See Camera Channel Selection.**

MANUAL MODE

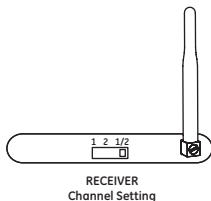
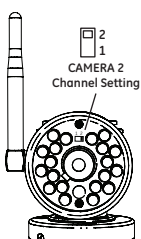
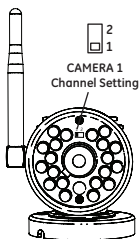
Operating the receiver in manual mode allows you to manually select a single camera/channel to monitor exclusively. The system will remain on the selected channel indefinitely until the other channel is selected. To select one of the two channels (cameras) manually, locate the AUTO and MANUAL buttons on the top of the receiver. Press and release the MANUAL button. The red LED labeled 'A – M' will turn on and the corresponding



channel (1 or 2) LED will turn on. The receiver will switch to a different channel each time the MANUAL button is pressed. The video image for the channel with an active camera selected will appear on the monitor. Each camera must be assigned to a specific channel; both cameras cannot be on the same channel or the signals will interfere with each other.

AUTO MODE (two camera operation)

To have the receiver automatically switch between two active channels, first check the receiver is set to 1/2 position. Next, press the AUTO button on the top panel of the receiver. The green LED will light and the receiver will automatically select between the two active cameras. The monitor will display images from both cameras alternately.



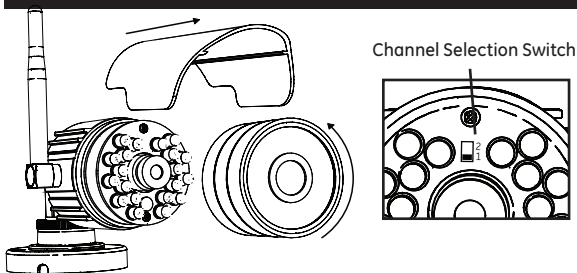
CYCLE TIME SETTING (Time interval between camera selections)

The default cycle time for the receiver to switch between cameras in auto mode is preset to 4 seconds. To change the cycle time, press and hold both of the buttons (Auto and Manual) on top of the receiver simultaneously. The receiver will beep, pause and then sound a beep for each second of the cycle time, up to 30 seconds. The total cycle time can be verified by the number of LED flashes/beeps made when you release the buttons—one flash/beep equals one second. Cycle time can be set between 4-30 seconds. **If the power adapter is removed or the receiver loses power, the cycle time defaults back to 4 seconds.**

CAMERA CHANNEL SELECTION

This wireless surveillance system is designed to monitor up to two cameras. Additional cameras are sold separately.

IMPORTANT: When using more than one camera, each camera must be assigned to a specific channel using the channel selection switch located on the inside the front of the camera housing.

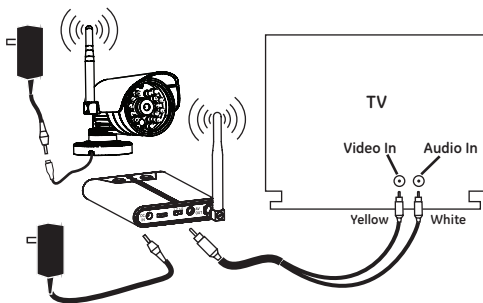


The camera will be set to channel 1 from the factory. To change the camera to channel 2, you will need to remove the sun shield and unscrew the lens cover. Locate the channel selector. Slide the switch to channel 2 and screw on the lens cover back on until it's snug. Each camera must be assigned to a specific channel; both cameras cannot be on the same channel or the signals will cancel out. If using only one camera you can select either Ch 1 or Ch 2, whichever provides the best picture. The slide switch located on the rear of the Receiver must be set to reflect the channels in use. Set the receiver to Ch 1, Ch 2, or Ch 1/2. See further instructions in the receiver section (page 7).

CONNECTING TO A TV OR MONITOR

To prepare for installation of the system, we recommend that you temporarily connect the Wireless Receiver to a TV or Monitor to help you choose the best location for installing the camera. The camera connects wirelessly and automatically to the receiver when both are powered on and are located within 200 ft (unobstructed view) of each other. This system will accommodate up to two cameras.

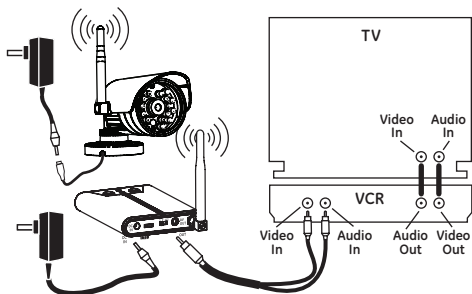
NOTE: There are two AC adapters. One is labeled 'Receiver' at the end of the cable. The other is labeled 'Camera' at the end of the cable. It is important to use the appropriate AC adapter for each product. Using the wrong adapter could permanently damage the camera or receiver.



1. Plug the AC adapter for the Wireless Receiver (labeled 'Receiver') into the power jack (marked 'DC 9V' on the back of the receiver), then into an AC outlet. Select the desired channel on the back of the receiver (**see Receiver Channel Selection**).
2. After selecting the channel for the camera (**see Channel Selection**). Plug the AC adapter for the camera (labeled 'Camera') into cable coming from the camera. Plug the AC adapter into an AC outlet.
3. Locate the AV cable. It has a 3.5mm male plug at one end, and two RCA plugs at the other end. Connect the 3.5mm male to the rear jack of the receiver, marked 'A/V Out'. Connect the other ends (white/yellow) to your television's A/V inputs. Match the yellow plug to the yellow VIDEO IN jack and the white plug to the white AUDIO IN jack.
4. Rotate the antenna, on the receiver, to a vertical position. Place the receiver either on top of or near to your TV monitor.
5. Set your TV to monitor the VIDEO INPUT designated for the Receiver.
6. Place camera near desired location and check quality of transmitted image on the monitor.

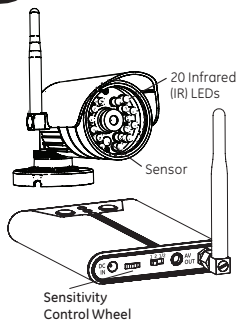
USING THE WIRELESS COLOR CAMERA SYSTEM WITH A VCR or DVR

You can connect the receiver to a VCR or DVR in order to record the images received from up to two cameras. The VCR or DVR must also be connected to a TV/Monitor in order to see live or recorded images. See diagram below.



LONG RANGE NIGHT VISION

The Wireless Color Camera features Long Range Night Vision technology. Objects and images can be seen in little or no light up to 60 ft. The camera uses a special image sensor that automatically detects available light levels.



It turns on/off the high-powered Infrared (IR) LEDs on the front of the camera. These LEDs provide artificial light that allows the camera to **see** in the dark. **Long Range Night Vision will appear as a Black and White image.** When the image sensor detects enough light, color will return to the images.

AUDIO DETECTION AND NOTIFICATION FEATURE

This feature allows the Receiver to emit an audio alert whenever sound is detected within a monitored area. To activate the detection feature press and release the button located on the front of the receiver. When the camera detects a sound, the receiver will sound an alert and a notification light will flash. The sensitivity for the level of audio detection (when the receiver will sound an alert) can be adjusted with the sensitivity control located at the back of the receiver. Set the sensitivity to the highest level and press the button on the front. Adjust the sensitivity control to desired level.

CAMERA INSTALLATION

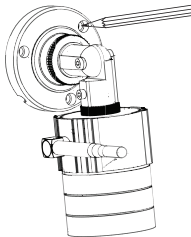
Wall Mount or Ceiling Mount — you will need:

- Drill
- 3/8" Drill bit (if running power cable thru wall or ceiling)
- 1/8" drill bit (for drilling screw pilot holes if mounting, into wood or non-brick material)

- 3/16" drill bit (for drilling holes, if using plastic anchors to mount onto drywall or brick material)
- Screwdriver
- Adjustment wrench (included)

Step 1. Mounting preparation

Once a suitable location for the camera has been selected and the cable route has been determined, you will need to use the camera's mounting bracket as a template to mark holes for drilling. Mark three holes on the wall for the anchors or screws as shown. Please take care to mark the center of the holes.

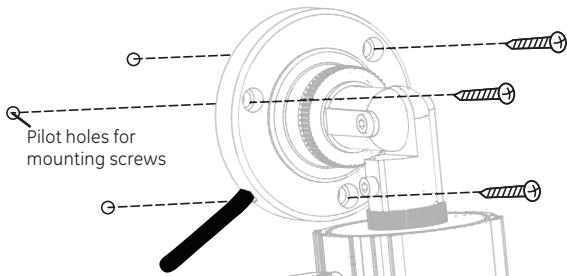


Note: Before mounting camera permanently, check to ensure the appropriate channel has been selected (see Channel Selection) to provide good reception at the receiver/monitor.

Step 2. Cable routing -IMPORTANT

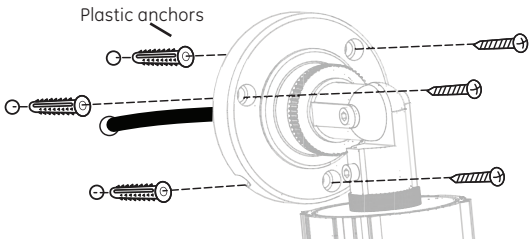
- (a) If running the cable along the wall surface, position cable through slot at base of mounting bracket before installing mounting bracket (see figure A).

Figure A (Running cable on surface of wall)



- (b) If the cable needs to be ran through a wall or ceiling, then an additional hole will need to be drilled using the 3/8" drill bit. **Drill the hole in the center of the three mounting screw holes (see figure B).** Fit connector and cable through hole before securing the mounting bracket.

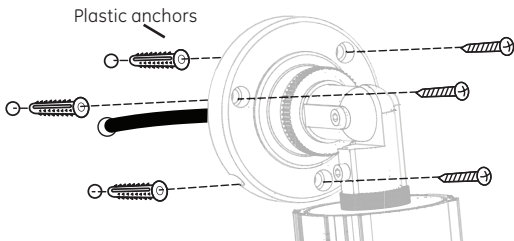
Figure B



Step 3. Mounting bracket

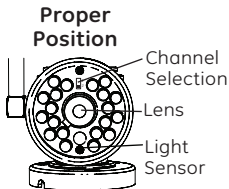
- (a) If mounting to a stud, wood surface or other non-brick material, use the 1/8" drill bit to drill pilot holes; drill holes. Align holes in mounting bracket to drilled holes, insert screws and screw in until plate has secure fit. Do not over tighten screws.
- (b) If mounting to drywall or brick material, use plastic anchors (see Figure C). Using 3/16" drill bit (masonry bit, if drilling into brick), drill holes and insert anchors into drilled holes for snug fit. Align holes in mounting bracket to drilled holes, insert screws and screw in until plate has secure fit. Do not over tighten screws.

Figure C (Mounting bracket using plastic anchors)



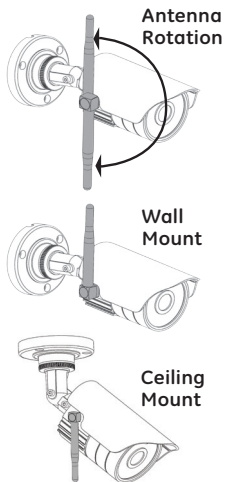
- (c) Using included adjustment wrench, slightly loosen the hex head bracket nuts on camera bracket to position camera's multi-axis bracket so camera is pointed toward desired viewing area. Tighten bracket nuts. Do not over tighten nuts.

- (d) Take care to position the camera in the correct orientation. To ensure the camera image is not positioned upside down, you may have to rotate the camera housing so the channel selection switch is positioned above the lens and the light sensor is below the lens.



Step 4. Antenna Adjustment

Once mounted adjust the camera's antenna to achieve best reception. Note if ceiling mounted, you may not be able to position the antenna completely vertical (pointed up). It is acceptable to position the antenna vertically but pointed down. This typically will not cause any interference or reduce the reception ability of the camera. **Do not force the antenna beyond physical stops.**



Step 5. AC Power

Locate the power cable end connection. Attach the AC adapter (labeled 'camera') to end of cable coming from the camera. Plug-in AC adapter to nearest AC outlet. Adapter must be used in a dry location. AC power extension cables are available from the Call Center 1-800-654-8483 or visit online at www.jascoproducts.com

TROUBLE SHOOTING

If you are having trouble operating this product, please consult the guide below. If you have any questions or feel the camera system is not operating correctly, or you simply need additional information, please visit our web site www.jascoproducts.com, or contact our Technical Support Group 1-800-654-8483.

No camera picture

1. Check all connections. Make sure camera(s) and receiver power LEDs are ON.
2. Ensure camera(s) and receiver are set to correct and corresponding channel(s).
3. Make sure camera is within range of receiver (up to 200 ft.).
4. Adjust the antenna for the camera, receiver or both to obtain best image.

Blank monitor

1. Make sure receiver or monitor is switched ON.
Ensure the correct video input on the TV/monitor has been selected.
2. Make sure video cable is connected to TV/monitor.

Interference on camera picture

1. Make sure each camera (transmitter) is within range, and that no large obstructions are blocking the signal.
2. Try repositioning the camera, receiver or both to different locations in order to improve the reception quality.
3. If using two cameras, make sure the cameras are not set to the same channel.
4. Reposition other nearby equipment transmitting on the 900MHz frequency.
5. Adjust the antenna for the camera, receiver or both to obtain best image.

The image is upside down

You may have to rotate the camera housing. Loosen the hex head nut and rotate housing so that the channel selection switch is above the lens (see page 17).

Audio problems

1. Ensure the volume is turned up sufficiently on the Monitor (or TV).

2. Make sure the sound is within the microphone range.
3. If the unit emits a loud wailing sound (feed back), try moving the camera away from the receiver or angle the receiver differently.
4. Make sure the audio cable is connected to the TV/monitor.

SPECIFICATIONS *(Subject to change without notice.)*

CAMERA

TV System.....	NTSC
Integrated Lens.....	6.0mm, F1.5 fixed focus
Resolution.....	510x496 TV Lines
Image Sensor.....	1/3" CMOS
Min. Illumination.....	0.5lux up to 60 ft
Voltage.....	9VDC
Current Consumption.....	330mA maximum
Overall Size.....	2.5"W x2.25Hx6.75D
Frequency Range.....	902 - 928 MHz
Modulation.....	FM
Channel Selection.....	Manual
Case Finish.....	Aluminum
Operating Temperature.....	14°F to 104°F (-20°C to 55°C)
Humidity.....	Less than 85%

RECEIVER

Voltage.....	9VDC
Current Consumption.....	100 mA maximum
Frequency Range.....	902 - 928 MHz
Output.....	Audio/Video
Overall Size.....	3.8" L x 2.8" W x 0.6" H (Without antenna)

ONE-YEAR LIMITED WARRANTY

Jasco Products Company warrants this product to be free from manufacturing defects for a period of one year from the original date of consumer purchase. This warranty is limited to the repair or replacement of this product only and does not extend to consequential or incidental damage to other products that may be used with this unit. This warranty is in lieu of all other warranties express or implied. Some states do not allow limitations on how long an implied warranty lasts or permit the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you. This warranty gives you specific rights, and you may also have other rights which vary from state to state. If unit should prove defective within the warranty period, return prepaid with dated proof of purchase to:

Jasco Products Company
10 E. Memorial Road,
Oklahoma City, OK 73114

FCC STATEMENT

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.

(2) This device must accept any interference received, including interference that may cause undesired operation.

FCC NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING

Risk of fire and shock

- Only use the supplied cUL listed AC to DC adapter.
- The supplied adapter is for indoor use only.
- When securing the cable, do not cut or puncture
- Do not use in wet locations



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